

I claim:

1. A socket assembly with a cord sorter, comprising:
 - 5 a multi-socket unit, having thereof a front end further including a plurality of sockets, each of said sockets capable of receiving a plug leading a cord; and
 - a sorter, having a gathering structure constructed at said front end of said multi-socket unit for collecting cords of plugs in order that engage with said sockets.
- 10 2. The socket assembly with a cord sorter according to claim 1, wherein said gathering structure of said sorter is a hollow shell having a first opening and an opposing second opening, said first opening capable of sleeving onto said multi-socket unit by circling said sockets, said cords of plugs passing through said hollow shell and leaving said hollow shell
15 at said second opening.
3. The socket assembly with a cord sorter according to claim 1, wherein said gathering structure of said sorter is a curved cantilever bar, said cantilever bar further including thereof a fixed end directly rooting said
20 sorter at said multi-socket unit, a cantilever beam and a free end, said cords of said plugs being collected in order, from said free end, into a space formed between said cantilever beam and said multi-socket unit.
4. The socket assembly with a cord sorter according to claim 1, wherein said multi-socket unit further including a rear end opposing to said front end, said rear end further including a pivotal shaft, wherein said sorter
25 further comprising:
 - an upper-half shield, having an upper-half opening at a front end thereof, an upper depressed end at an opposing rear end thereof, and an upper arch sleeve and an upper aperture at a

bottom surface between said upper-half opening and said upper depressed end, said upper arch sleeve capable of forming a rotational pair with said pivotal shaft of said multi-socket unit;

- 5 a lower-half shield, having a lower-half opening at a front end thereof, a lower depressed end at an opposing rear end thereof, and a lower arch sleeve and a lower aperture at an upper surface between said lower-half opening and said lower depressed end, said lower arch sleeve capable of forming another rotational
- 10 pair with said pivotal shaft of said multi-socket unit; and
- an elastic element, further including an upper arm for engaging with said upper aperture of said upper-half shield and a lower arm for engaging with said lower aperture of said lower-half shield.

5. A socket assembly with a cord sorter, comprising:

- 15 a multi-socket unit, having thereof a front end further including a plurality of sockets, each of said sockets capable of receiving a plug leading a cord; and
- a hollow shell, having a first opening and an opposing second opening, said first opening capable of sleeving onto said multi-socket
- 20 unit by circling said sockets;
- wherein said cords and said plugs passing firstly through said hollow shell from said second opening and then said plugs engaging with said respective sockets via said first opening, and thereby said cords being collected in order by said hollow shell.

25 6. A socket assembly with a cord sorter, comprising:

- a multi-socket unit, having thereof a front end further including a plurality of sockets, each of said sockets capable of receiving a plug leading a cord; and

a curved cantilever bar, further including thereof a fixed end directly
rooting said sorter at said multi-socket unit, a cantilever beam
and a free end;

5 wherein said cords of said plugs being collected in order, from said
free end, into a space formed between said cantilever beam and said
multi-socket unit.

7. A socket assembly with a cord sorter, comprising:

10 a multi-socket unit, having thereof a front end including a plurality of
sockets and an opposing end including a pivotal shaft, each of
said sockets capable of receiving a plug leading a cord; and

a sorter, further including:

an upper-half shield, having an upper-half opening at a front end
thereof, forming a rotational pair with said pivotal shaft
of said multi-socket unit;

15 a lower-half shield, having a lower-half opening at a front end
thereof, forming another rotational pair with said
pivotal shaft of said multi-socket unit; and

20 an elastic element, further including an upper arm for engaging
with said upper aperture of said upper-half shield and a
lower arm for engaging with said lower aperture of said
lower-half shield;

wherein said elastic element integrates said upper-half opening and
said lower-half opening to form a gathering structure capable of
collecting said cords of said plugs in order.

25 8. The socket assembly with a cord sorter according to claim 7, wherein
said upper-half shield further has an upper depressed end located at a
rear end opposing to said front end of said upper-half shield, said lower-
half shield further has a lower depressed end located at a rear end

5

opposing to said front end of said lower-half shield; in the case of said upper depressed end and said lower depressed end being depressed, said upper-half opening and said lower-half opening being separated; in the case of said upper depressed end and said lower depressed end being released, said upper-half opening and said lower-half opening being closed to form said gathering structure.

10

9. The socket assembly with a cord sorter according to claim 7, wherein said upper-half shield further includes an upper arch sleeve and said lower-half shield further includes a lower arch sleeve, said upper arch sleeve pairing said pivotal shaft to form a rotational pair, said lower arch sleeve pairing said pivotal shaft to form another rotational pair.

15

10. The socket assembly with a cord sorter according to claim 7, wherein said upper-half shield further includes an upper aperture to engage with said upper arm of said elastic element and said lower-half shield further includes a lower aperture to engage with said lower arm of said elastic element.